

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,400	11/14/2005	Werner Bieck	ETF-0026	3430
23413 CANTOR COL	7590 01/25/200 BURN LLP	7	EXAMINER	
55 GRIFFIN R	OAD SOUTH		ANGLO, LHEIREN MAE ACOSTA	
BLOOMFIELD, CT 06002			ART UNIT	PAPER NUMBER
			2832	
			1	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		01/25/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
•	10/538,400	BIECK ET AL.				
Office Action Summary	Examiner	Art Unit				
	Lheiren Mae A. Anglo	2832				
The MAILING DATE of this communication app Period for Reply	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
Responsive to communication(s) filed on 2a) ☐ This action is FINAL. 2b) ☒ This 3) ☐ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) ☐ Claim(s) 8-27 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 8-27 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.					
Application Papers						
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 09 June 2005 is/are: a) Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex	☑ accepted or b) ☐ objected to drawing(s) be held in abeyance. See ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 20050609	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate				

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DETAILED ACTION

Claim Objections

Claim 18 is objected to because of the following informalities: a colon is missing at the end of line 1. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 8-12,14-25 and 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Yamazaki et al. [Yamazaki hereinafter, US 6,344,623].

In regard to claim 8, Yamazaki teaches in [Fig. 3b] a foil-type switching element comprising: a first carrier foil [3] and a second carrier foil [3] arranged at a certain distance from each other by means of a spacer [1], the spacer comprising at least one recess defining an active area of the switching element, and at least two electrodes [2] arranged in the active area of the switching element between the first and second carrier foils in such a way that, in response to a pressure acting on the active area of the switching element, the first and second carrier foils are pressed together against

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reaction force of the elastic carrier foils and an electrical contact is established between the at least two electrodes, the foil-type switching element further comprising a layer of dielectric material [4], the dielectric material being applied onto the first carrier foil between the first carrier foil and an electrode arranged on the first carrier foil, the layer of dielectric material covering at least a region of the first carrier foil which is delimited by a generally outer periphery of the electrode arranged on the first carrier foil.

In regard to claim 9, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied onto the second carrier foil between the second carrier foil and an electrode arranged on the second carrier foil.

In regard to claim 10, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the first carrier foil in substantially an entire area of the active area.

In regard to claim 11, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the first carrier foil in an entire area of the active area and extends laterally beyond the active area.

In regard to claim 12, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the first carrier foil on a complete surface of the carrier foil.

In regard to claim 14, Yamazaki teaches in [Fig. 3b] that the thickness of the layer of dielectric material varies over the active area.

In regard to claim 15, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the second carrier foil in substantially an entire area of the active area.

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In regard to claim 16, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the second carrier foil in an entire area of the active area and extends laterally beyond the active area.

In regard to claim 17, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the second carrier foil on a complete surface of the carrier foil.

In regard to claim 18, Yamazaki teaches in [Fig. 3b] a foil-type switching element comprising: a first carrier foil [3] and a second carrier foil [3] arranged at a certain distance from each other by means of a spacer [1], the spacer comprising at least one opening defining an active area of the switching element, and at least two electrodes [2] arranged in the active area of the switching element between the first and second carrier foils in such a sway that, in response to a pressure acting on the active are of the switching element, the first and second carrier foils are pressed together against reaction force of the elastic carrier foils and an electrical contact is established between the at least two electrodes, wherein at least one of the electrodes is arranged on the first carrier foil, the foil-type switching element further comprising a layer of dielectric material [4], the dielectric material being applied onto the first carrier foil between the first carrier foil and the electrode arranged on the first carrier foil, the layer of dielectric material covering at least a region of the first carrier foil which is delimited by a generally outer periphery of the electrode arranged on the first carrier foil.

In regard to claim 19, Yamazaki teaches in [Fig. 3b] that at least one of the electrodes is arranged on the first carrier foil and wherein a layer of dielectric material is arranged on the first carrier foil and wherein a layer of dielectric material is applied onto

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the second carrier foil between the second carrier foil and an electrode arranged on the second carrier foil.

In regard to claim 20, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the first carrier foil in substantially an entire area of the active area.

In regard to claim 21, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the first carrier foil in an entire area of the active area and extends laterally beyond the active area.

In regard to claim 22, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the first carrier foil on a complete surface of the carrier foil.

In regard to claim 23, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the second carrier foil in substantially an entire area of the active area.

In regard to claim 24, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the second carrier foil in an entire area of the active area and extends laterally beyond the active area.

In regard to claim 25, Yamazaki teaches in [Fig. 3b] that the layer of dielectric material is applied on the second carrier foil on a complete surface of the carrier foil.

In regard to claim 27, Yamazaki teaches in [Fig. 3b] that the thickness of the layer of dielectric material varies over the active area.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 13 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamazaki et al. [Yamazaki hereinafter, US 6,344,623] in view of Koyama et al. [Koyama hereinafter, US 6,634,090]. Yamazaki teaches the dielectric material in [Fig. 3b] being positioned on the carrier foil. Yamazaki does not teach that the dielectric material is printed. Koyama teaches in the [ABSTRACT] that the dielectric material is printed. It would have been obvious to one of ordinary skill in the art at the time of the invention to print the dielectric material onto the carrier foil in order to efficiently assemble the switching elements.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lheiren Mae A. Anglo whose telephone number is (571) 272-2730. The examiner can normally be reached on Monday to Friday 8:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lheiren Mae A. Anglo Examiner AU 2832

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ELVIN ENAD

PATENT EXAMINER

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